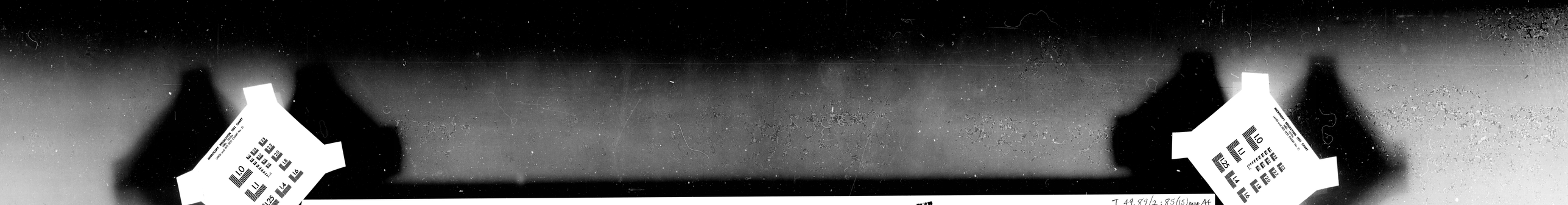
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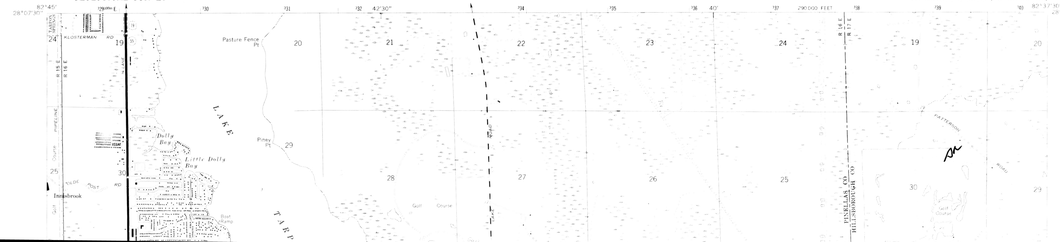
I 49.89/2:85(15)/map A4

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF FLORIDA

OLDSMAR QUADRANGLE
FLORIDA
7.5 MINUTE SERIES (TOPOGRAPHIC)

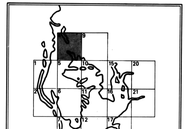


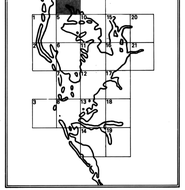
MAP A4

TAMPA BAY ENVIRONMENTAL ATLAS

BIOLOGICAL RESOURCES

OLDSMAR





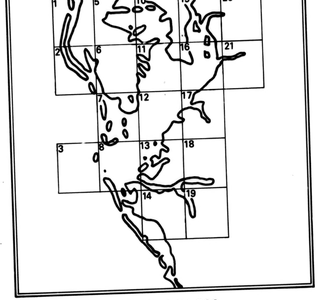
Scale 1:24,000

1984

TOPICAL MAPS IN THIS ATLAS:
A. BIOLOGICAL RESOURCES
B. WATER RESOURCES

Produced by U.S. Fish and Wildlife Service
Projection and 1,000 meter grid, zone 17: Universal Transverse Mercator
10,000-foot grid ticks based on Florida coordinate system, east and west zones

Overlay material compiled in 1984 from latest available data obtained from Federal, State and Local government agencies and other sources.



Scale 1:24,000

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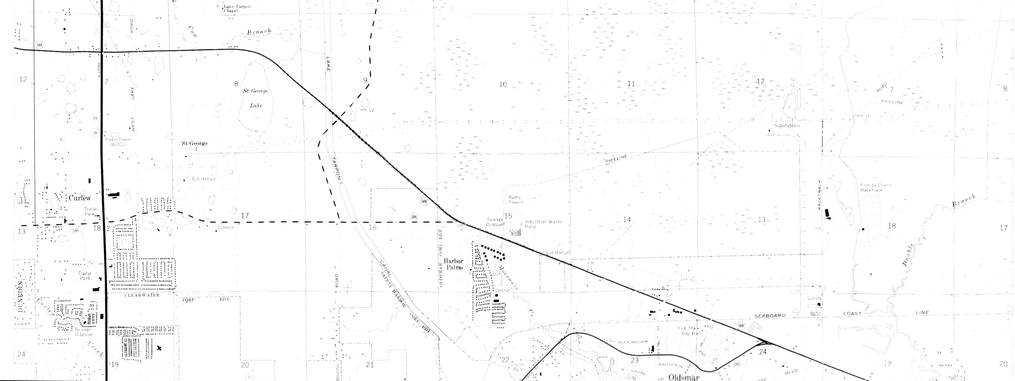


10,000-foot grid ticks based on Florida coordinate system, east and west zones

Overlay material compiled in 1984 from latest available data obtained from Federal, State and Local government agencies and other sources.

There are no maps A19, A20, A21 due to a lack of data.

LEGEND

SHELLFISH HARVEST AREA
(Florida Dept. of Natural Resources)

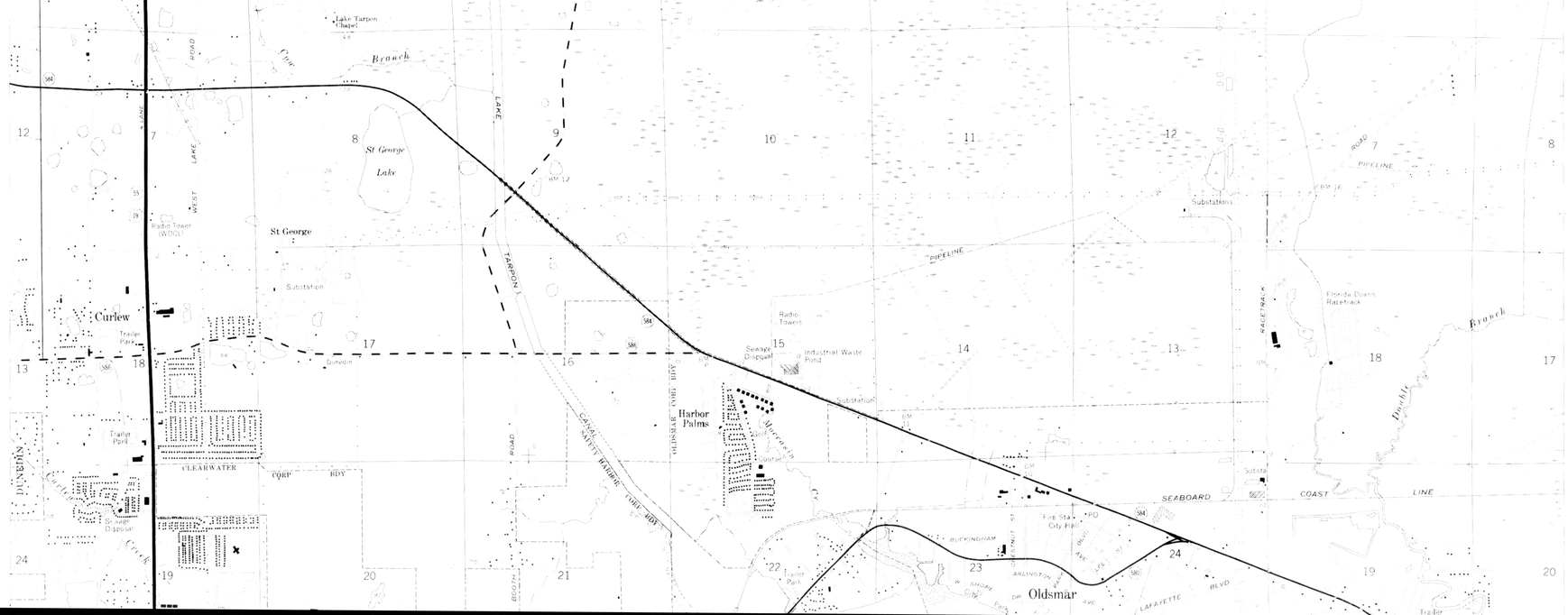
SHA	Shellfish Harvest Approved
SHCA	Shellfish Harvest Conditionally Approved

NOTE: Due to Dept. of Natural Resources (DNR) water quality standards all other estuarine areas are prohibited or unclassified as to shellfish harvest status and are officially unapproved. For further info. on status of harvest areas contact DNR - Shellfish Environmental Assessment Section.

Ovs-1	Public Oyster Bed
Ovs-2	Private Oyster Bed (Lease)
CLAMS	Clam Bed

FINFISH SPAWNING, NURSERY AND HARVEST AREAS
(Recreational Hook and Line Fishing)

FINFISH CATEGORY	Common Name	SPAWNING LOCATION	SPAWNING SEASON	MAJOR NURSERY HABITATS: MANGROVE ZONE	Mangrove Fringe	Islands	Tidal Flats	Grass Flats	Artificial Reef	ADULT HABITATS: ESTUARINE	Islands	Tidal Flats	Grass Flats	Artificial Reef	MAJOR ADULT HABITATS: OFFSHORE AREA
ESTUARINE DEPENDENT FISHES															
	Snook														
	Red Drum														
	Spotted Seatrout														
	Tarpon														
	Black Drum														
	Sheepshead														
	Mullet														
	Pompano														
	Flounder														
	Ladyfish														
	Jack Crevalle														
	Bluefish														
	Gray Snapper														
	Mangrove Snapper														
	Lane Snapper														
	Cobia														
	Spanish Mackerel														
	King Mackerel														
	Florida Pompano														
	Permit														
	Gag														
	Red Grouper														
	Black Grouper														
	Scamp														
	Yellowfin Grouper														
	Red Snapper														
	Vermilion Snapper														
	Almaco Jack														
	Amberjack														
	Dolphin														
	Wahoo														
	Blue Marlin														
	White Marlin														
	Sailfish														
	Spearfish														
	Swordfish														
	Bonito														
	Albacore														
	Yellowfin Tuna														
	Bigeye Tuna														
	Blackfin Tuna														
	Skipjack Tuna														
	Atlantic Bonito														
	Little Tunny														
	Frigate Mackerel														
	Blackfin Tuna														
	Skipjack Tuna														
	Atlantic Bonito														
	Little Tunny														
	Frigate Mackerel														



Transverse Mercator
10,000-foot grid ticks based on Florida coordinate system, east and west zones

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Oys-1	Public Oyster Bed
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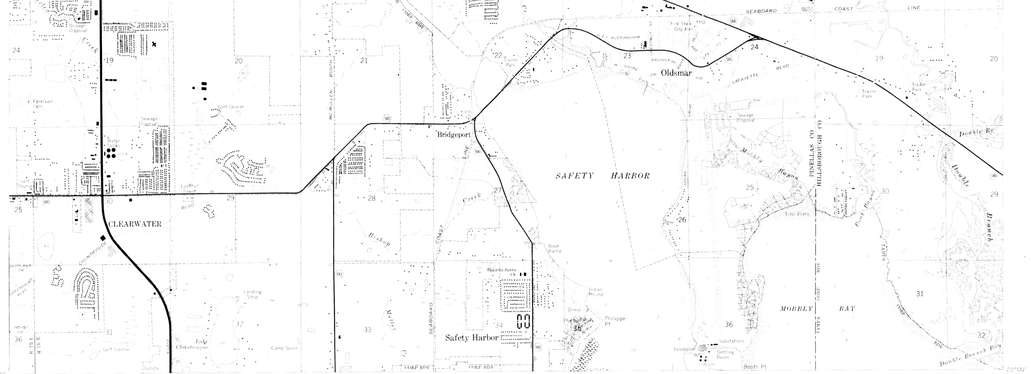
CLAMS	Clam Bed

FINFISH SPAWNING, NURSERY AND HARVEST AREAS
(Recreational Hook and Line Fishing)

SPECIES #	FINFISH CATEGORY Common Name	SPAWNING LOCATION[1]	SPAWNING SEASON J F M A M J J A S O N D	NURSERY AREA[1]	MAJOR NURSERY HABITATS Seagrass	Mangrove	Saltmarsh	Beach	Coral Reef	Artificial Reef	Open Water	AREA OF ADULT ABUNDANCE[1]	MAJOR ADULT HABITATS Seagrass	Mangrove	Beach	Coral Reef	Artificial Reef	Open Water	MIGRATION TYPE[2]
ESTUARINE DEPENDENT FISHES																			
1	Red Drum	C		E	●	●	●					E	●	●	●				2
2	Spotted Seatrout	E		E	●	●	●					E	●	●	●				2


Oldsmar
Bridgeport
SAFETY HARBOR
CLEARWATER
Safety Harbor
MOBERLY BAY
SEABOARD COAST LINE
PINELLAS CO
HILLSBOROUGH CO
Tampa Bay
Old Tampa Bay
Hillsborough Bay
Boca Ciega Bay
Booth Pt
Philippe Pt
Indian Mound
Safety Harbor Mound
Mobley Mound
Mobley Park
Safety Harbor Park
Philippe Park
Mobley Park Boat Ramp
Safety Harbor Boat Ramp
Safety Harbor Golf Course
Safety Harbor Golf Club
Safety Harbor Golf Driving Range
Safety Harbor Golf Practice Area
Safety Harbor Golf Pro Shop
Safety Harbor Golf Restaurant
Safety Harbor Golf Snack Bar
Safety Harbor Golf Tennis Courts
Safety Harbor Golf Swimming Pool
Safety Harbor Golf Clubhouse
Safety Harbor Golf Locker Room
Safety Harbor Golf Shower Room
Safety Harbor Golf Restroom
Safety Harbor Golf Water Fountain
Safety Harbor Golf Drinking Fountain
Safety Harbor Golf Ice Machine
Safety Harbor Golf Vending Machine
Safety Harbor Golf Pay Phone
Safety Harbor Golf Public Telephone
Safety Harbor Golf Emergency Telephone
Safety Harbor Golf First Aid Station
Safety Harbor Golf Lifeguard Station
Safety Harbor Golf Boat Dock
Safety Harbor Golf Boat Ramp
Safety Harbor Golf Fishing Pier
Safety Harbor Golf Observation Tower
Safety Harbor Golf Picnic Area
Safety Harbor Golf Playground
Safety Harbor Golf Basketball Court
Safety Harbor Golf Baseball Field
Safety Harbor Golf Softball Field
Safety Harbor Golf Soccer Field
Safety Harbor Golf Football Field
Safety Harbor Golf Track
Safety Harbor Golf Jogging Path
Safety Harbor Golf Bicycle Path
Safety Harbor Golf Horseback Riding Trail
Safety Harbor Golf Nature Trail
Safety Harbor Golf Scenic Overlook
Safety Harbor Golf Historical Marker
Safety Harbor Golf Monument
Safety Harbor Golf Statue
Safety Harbor Golf Fountain
Safety Harbor Golf Gazebo
Safety Harbor Golf Pavilion
Safety Harbor Golf Shelter
Safety Harbor Golf Restroom
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Safety Harbor Golf Nature Trail
Safety Harbor Golf Scenic Overlook
Safety Harbor Golf Historical Marker
Safety Harbor Golf Monument
Safety Harbor Golf Statue
Safety Harbor Golf Fountain
Safety Harbor Golf Gazebo
Safety Harbor Golf Pavilion
Safety Harbor Golf Shelter

SCALE 1:24 000

1 MILE

(Recreational Hook and Line Fishing)

SPECIES #	FINFISH CATEGORY Common Name	SPAWNING LOCATION	SPAWNING SEASON J F M A M J J A S O N D	SPAWNING NURSERY AREA	MAJOR NURSERY HABITATS Estuarine	Mangrove	Seagrass	Coastal Reef	Open Water	MAJOR ADULT HABITATS Estuarine	Mangrove	Seagrass	Coastal Reef	Open Water	MIGRATION TYPE*
	ESTUARINE DEPENDENT FISHES														
1	Red Drum	C		E	●	●	●			E	●	●	●		2
2	Spotted Seatrout	E		E	●	●	●			E	●	●			2
3	Snook	C		E	●	●	●			E	●	●			2
4	Snapshead	C		C E	●					C E		●	●		2
5	Southern Flounder	C		C E	●		●			C E	●	●			1
6	Florida Pompano	CS		C E			●			C E		●		●	3
7	Striped Mullet	CS		E	●	●	●			E	●	●		●	3
8	Gulf Menhaden	C		E	●	●	●			C E	●	●		●	3
9	Scaled Sardine	C		E	●	●	●			C E	●	●		●	3
10	Black Drum	C		E	●	●	●			E	●	●	●		1
	REEF FISHES														
11	Red Grouper	CS		CS-C	●			●	●	CS			●	●	2
12	Jewfish	CS		CS-C	●			●	●	CS-C			●	●	2
13	Gag Grouper	CS		CS-C	●			●	●	CS-C			●	●	2
14	Scamp	CS		CS	●			●	●	CS			●	●	2
15	Red Snapper	CS		CS-C	●			●	●	CS-C			●	●	2
16	Mangrove Snapper	CS		C E	●	●		●	●	C E			●	●	2
	COASTAL PELAGIC FISHES														
17	King Mackerel	OCS		CS					●	CS-C				●	4
18	Spanish Mackerel	CS		CS					●	CS-C				●	4

KEY:
E — Estuarine
C — Coastal
CS — Continental Shelf
OCS — Outer Continental Shelf

***MIGRATION TYPE:**
1 — Resident/Highly Restricted
2 — Random Residential Range
3 — Restricted Migration
4 — Extensive Migration

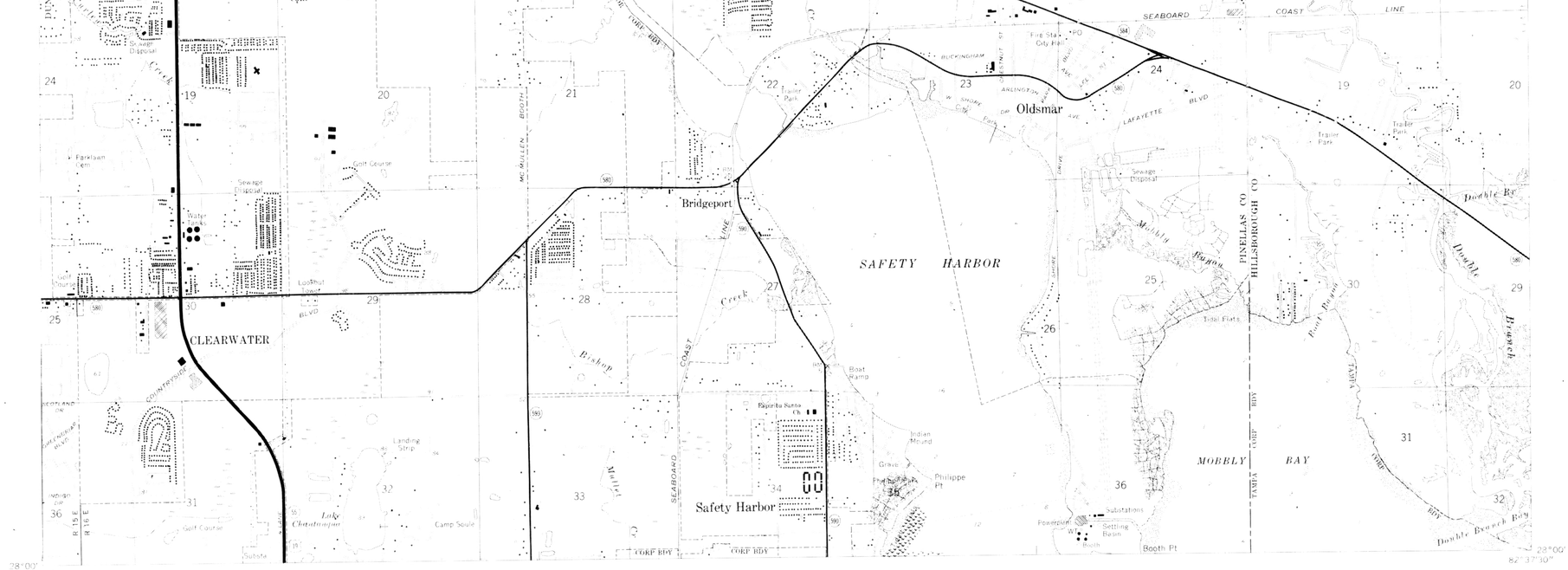
COLONIAL BIRD NESTING SITE*
Number appearing with symbol indicates colony sites. Colony sizes and species composition data are included in the narrative.

Shorebird

Wading Bird

Brown Pelican

WEST INDIAN MANATEE HABITAT


CLEARWATER
Bridgeport
Oldsmar
Safety Harbor
SAFETY HARBOR
MOBBLY BAY
Double Br.
Double Branch Bay
Mobbly Bayou
Bayou
Creek
Bishop
Lake Chautauqua
Indian Mound
Philippe Pt
Booth Pt
Boat Ramp
Golf Course
Sewage Disposal
Landing Strip
Substations
Settling Basin
Trailer Park
Fire Sta
City Hall
Water Tower
Cemetery
Grave
Ruins
Indian Cir
Camp Soule
Clubhouse
Pinellas Co
Hillsborough Co
Tampa Bay
Coast Line
Seaboard
Coast Line
Bethany Blvd
Countryside
Lookout
Mc Mullen Booth
Lafayette Blvd
Bayshore Dr
Memorial Hwy
Coffe Bdy
Coffe Bdy
Double Br.
Double Branch Bay
Tidal Flats
Powerline
Trailer Park
Trailer Park
Golf Course
Golf Course
Sewage Disposal
Water Tower
Fairlawn Cem
Disposal
Creek
Creek
Creek
Creek
Mullet
Mullet
Creek
Creek
Creek
Creek

SCALE 1:24 000

MILE 0 1000 2000 3000 4000 5000 6000 7000 FEET

KILOMETER 0 1

THE TAMPA BAY ENVIRONMENTAL ATLAS WAS PRODUCED BY THE U.S. FISH AND WILDLIFE SERVICE, DIVISION OF BIOLOGICAL SERVICES NATIONAL WETLANDS INVENTORY PROJECT, TO PROVIDE INFORMATION ON WETLANDS AND ESTUARIES AND THE GENERAL PUBLIC, TO DETERMINE AND EVALUATE CHANGE AND TO RESOLVE CONFLICTS AMONG LAND USES, FISH AND WILDLIFE REQUIREMENTS, AND OTHER WATER DEPENDENT ACTIVITIES. THE MAP AREA INCLUDES PARTS OF A MAJOR PORTION OF THE COASTAL COUNTIES OF PINELLAS, HILLSBOROUGH, MANATEE, AND A SMALL PORTION OF SARASOTA. THERE IS NO ATTEMPT, IN THE MAPS, TO DELINEATE THE EXACT LIMITS OF THE AREAS OF EXCLUSIVE FEDERAL JURISDICTION OF ANY FEDERAL STATE, OR LOCAL GOVERNMENT TO ESTABLISH THE GEOGRAPHICAL SCOPE OF THE REGULATORY PROGRAMS OF GOVERNMENT AGENCIES.

THIS MAP HAS BEEN COMPILED FROM A VARIETY OF SOURCE MATERIALS, INCLUDING MAPS, AERIAL PHOTOS, AND REPORTS, SINCE MANY SOURCES CONTAINED GENERALIZED LOCATIONS OF RESOURCES AND OTHER MAPPED DATA, THE USER SHOULD NOT RELY ON THESE MAPS FOR PRECISE MEASUREMENTS OF DISTANCES OR AREAS.

PRIMARY SOURCES OF MAPPED INFORMATION:

SHELLFISH HARVEST AREAS: Shellfish Harvest Area Maps. Dept. of Natural Resources, 1982

PUBLIC & PRIVATE OYSTER BEDS: Cooperative Gulf of Mexico Estuarine Inventory and Study, Florida: McNulty, Lindall and Sykes. 1972

CLAMS: Personal Communication, Discussion of Distribution Clams in Tampa Bay and Adjacent Bradcon Waters, Mr. L. Trieu Dept. of Natural Resources, Mr. Ed Haugue. Draft Maps. Department of Natural Resources, 1984

SCALLOP BEDS: Personal Communication Mr. Bill Lyons Dept. of Natural Resources, Marine Research Laboratory, 1982

FINFISH SPAWNING, NURSERY & HARVEST AREAS: Florida's Fishing Grounds. Mss. 1970

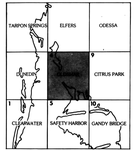
BIRD NESTING SITES: Florida Area of Breeding Sites for Herons and Their Allies. 1976. Robert W. Nesbitt, J.C. Kale II, H.W. et al. U.S. Fish and Wildlife Service, 1982. Personal Communication, Maps and Data. Dr. H.W. Kale II. Florida Audubon Society, 1982

MANATEE HABITAT: Boaters guide to Manatees, the gentle giants, Florida Marine Patrol, 1980.

SEAGRASS BEDS: Tampa Bay Seagrass Maps, 1:10,000 and 1:24,000 Scales, Mangrove Systems Inc. 1982. National Wetlands Inventory Maps, 1:24,000 Scale, U.S. Fish and Wildlife Service, 1982

ARTIFICIAL REEFS: Computer Printout of Florida Artificial Reefs, U.S. Army Corps of Engineers, 1981. Recreational Use Reefs in Florida, Artificial and Natural, Florida Sea Grant Program, 1979

FOR COMPLETE REFERENCE SEE MAP NARRATIVE



Shorebird

Wading Bird

Brown Pelican

WEST INDIAN MANATEE HABITAT

STATE MANATEE SANCTUARY

SEAGRASS BEDS

ARTIFICIAL REEF *
(Permitted by Florida Dept. of Environmental Regulation)
Numbers next to reefs refer to composition data in narrative

*Symbols cropping with numbers are described more fully in the narrative

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